

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

Robert M. Guidash

U.S. Serial No. 10/620,060 (D85354/PCW)

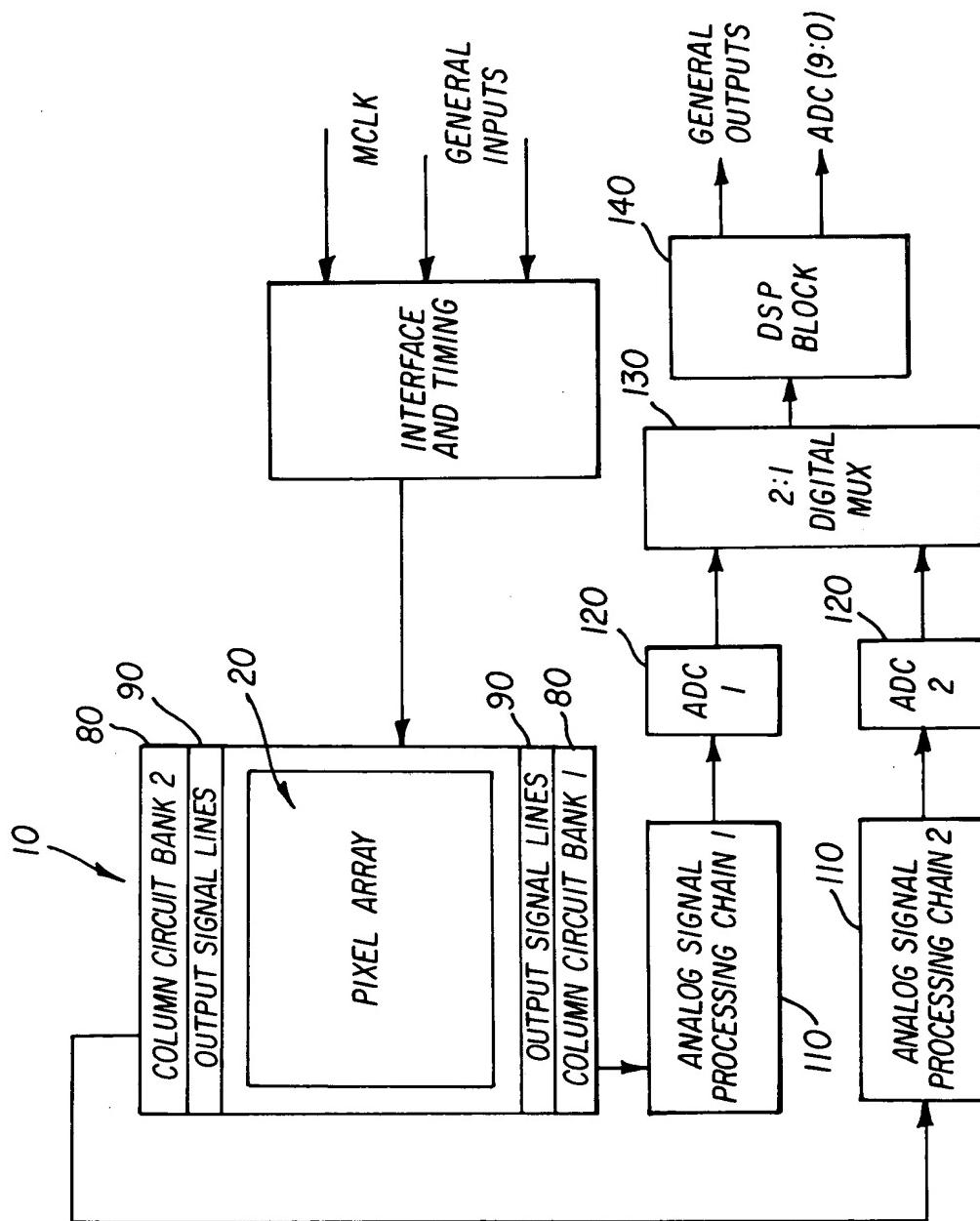


FIG. 1



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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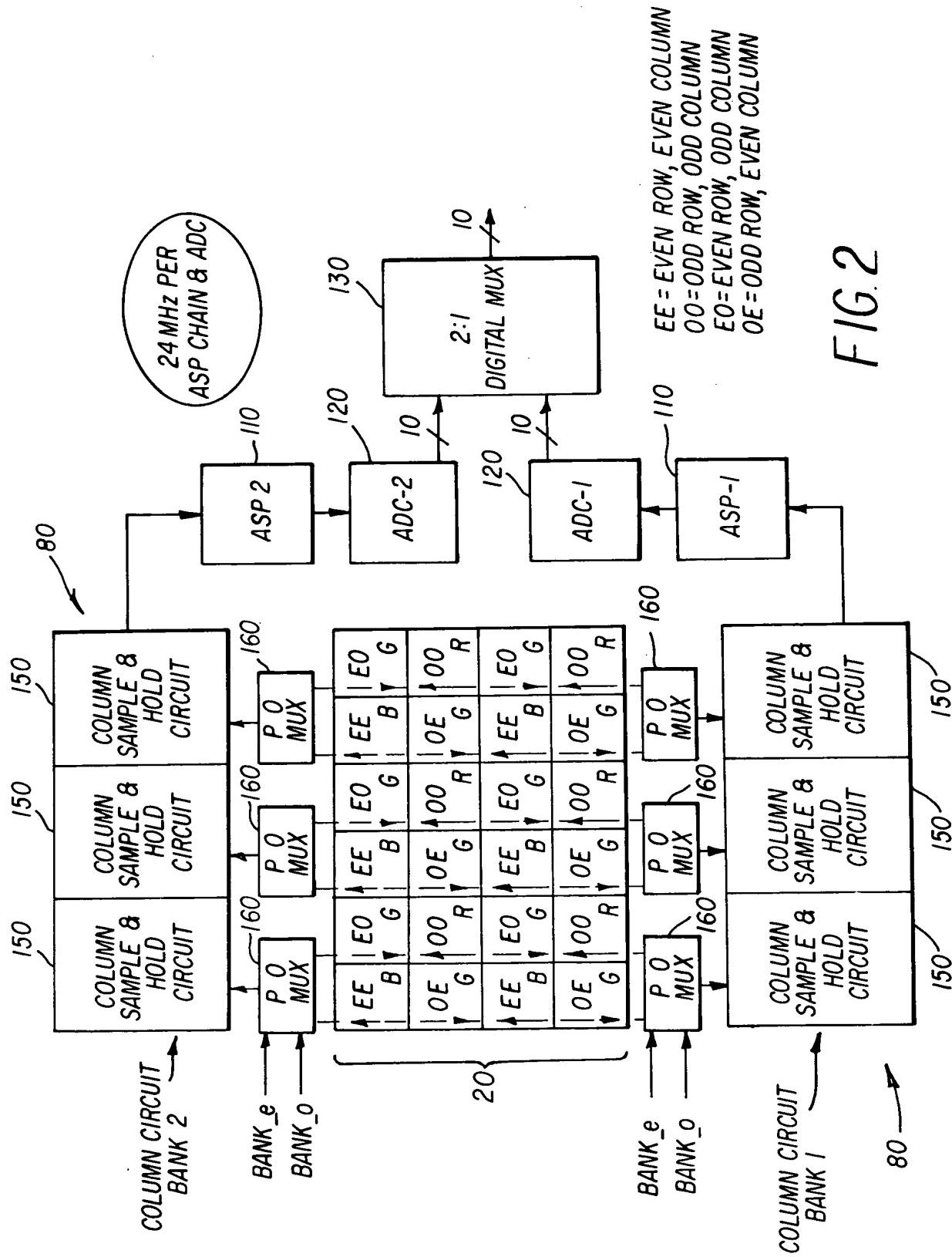


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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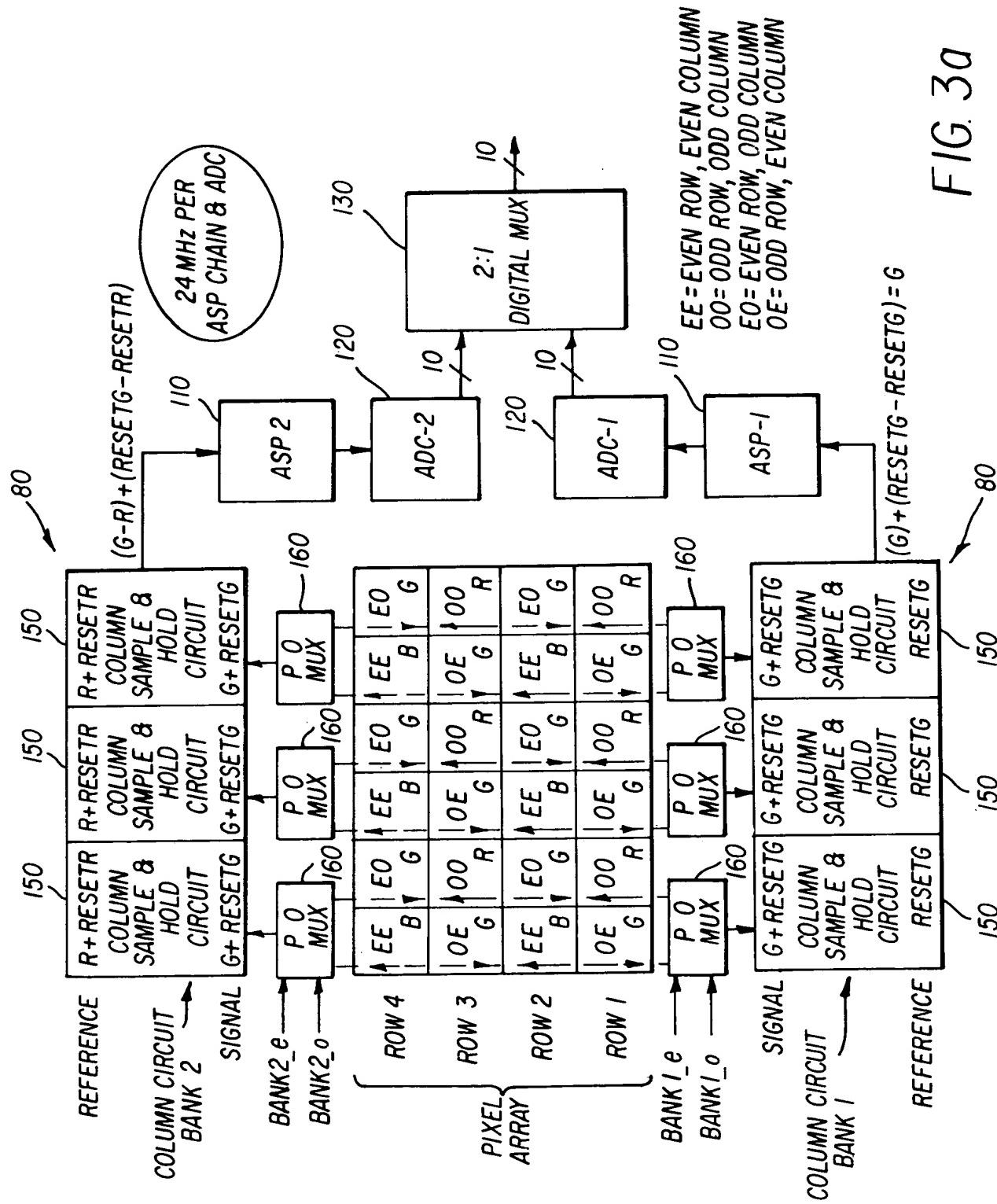


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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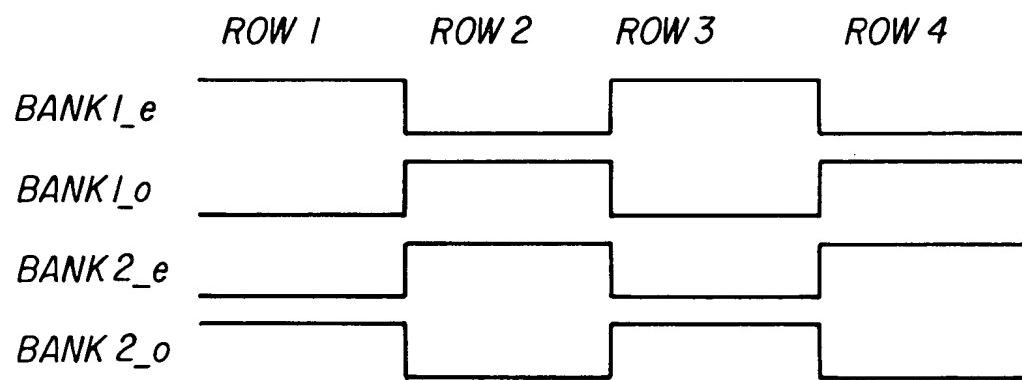


FIG. 3b

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
Robert M. Guidash
U.S. Serial No. 10/620,060 (D85354/PCW)

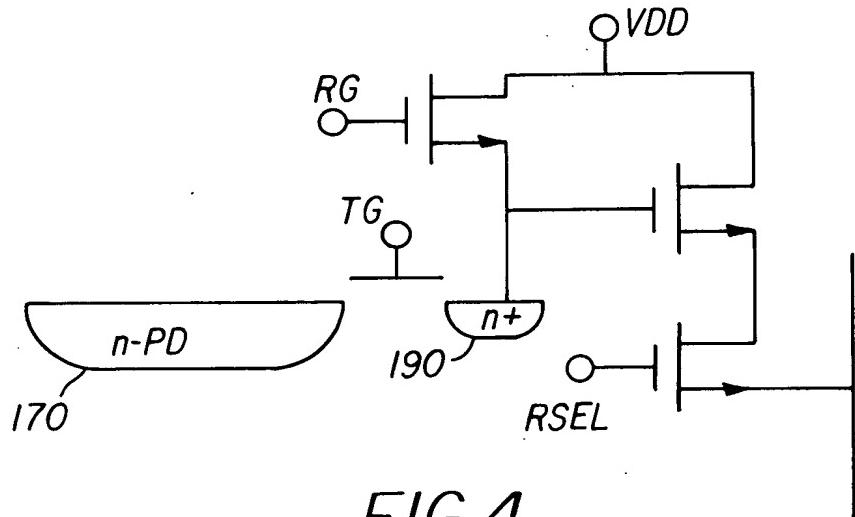


FIG. 4



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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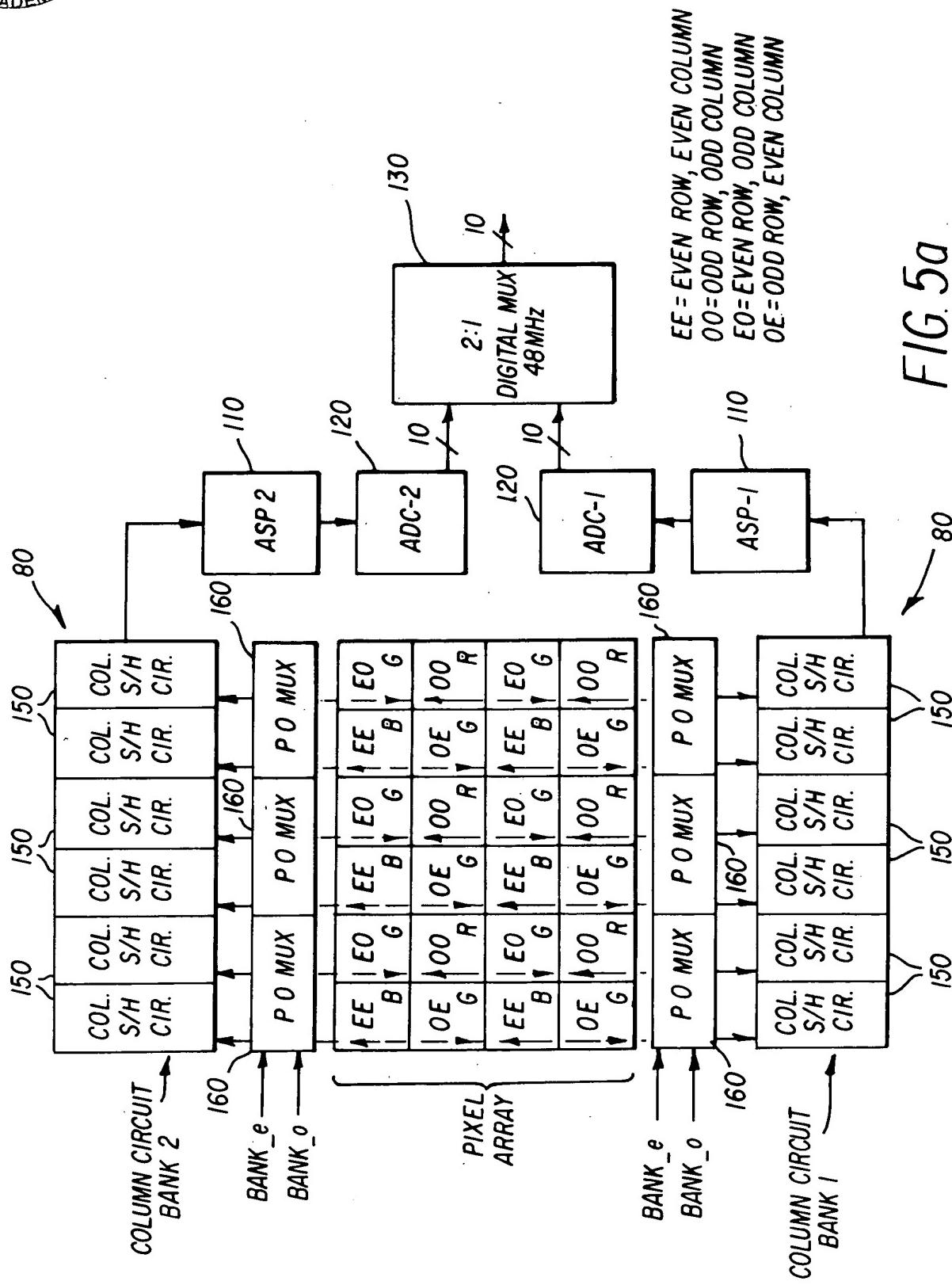


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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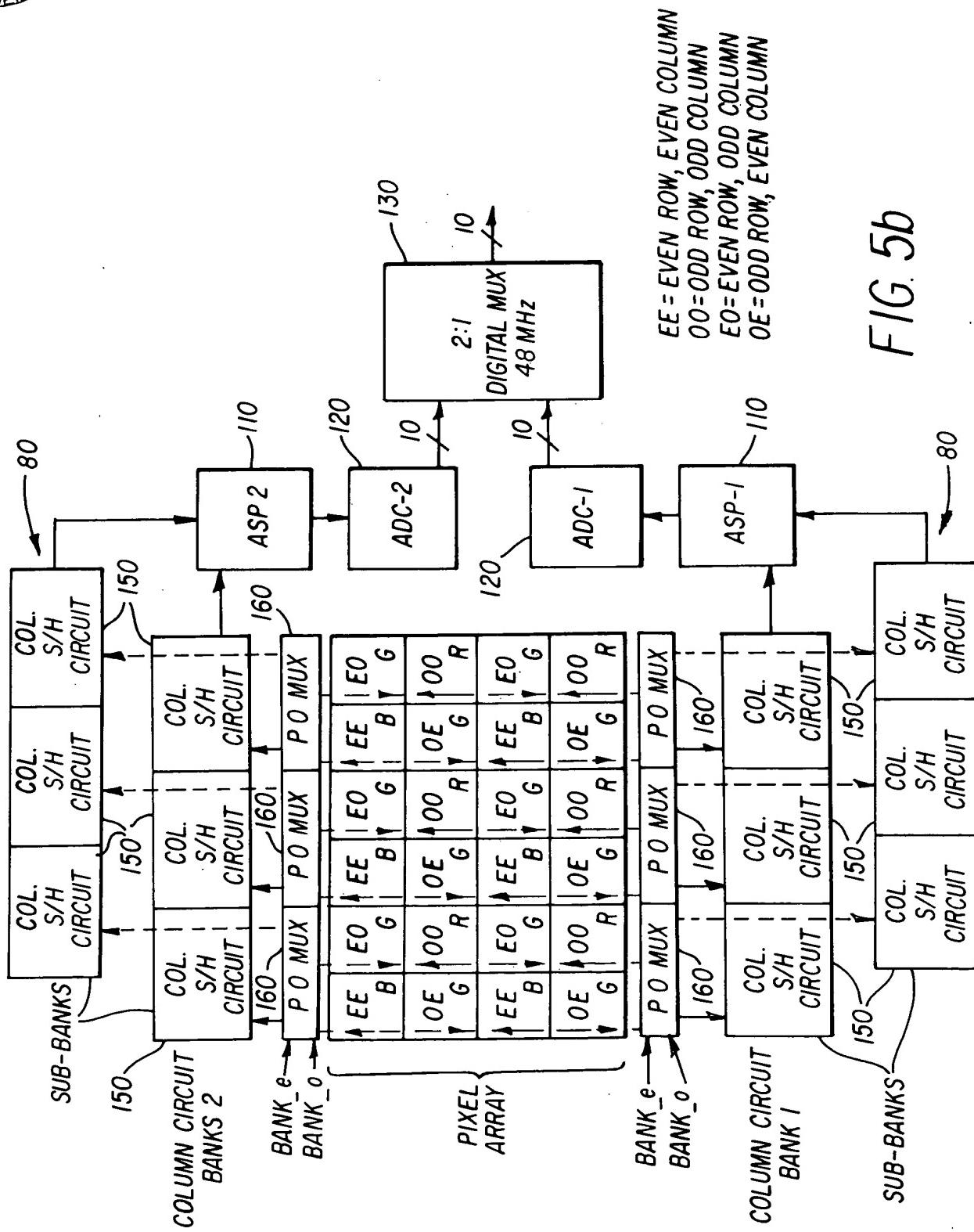


FIG. 5b



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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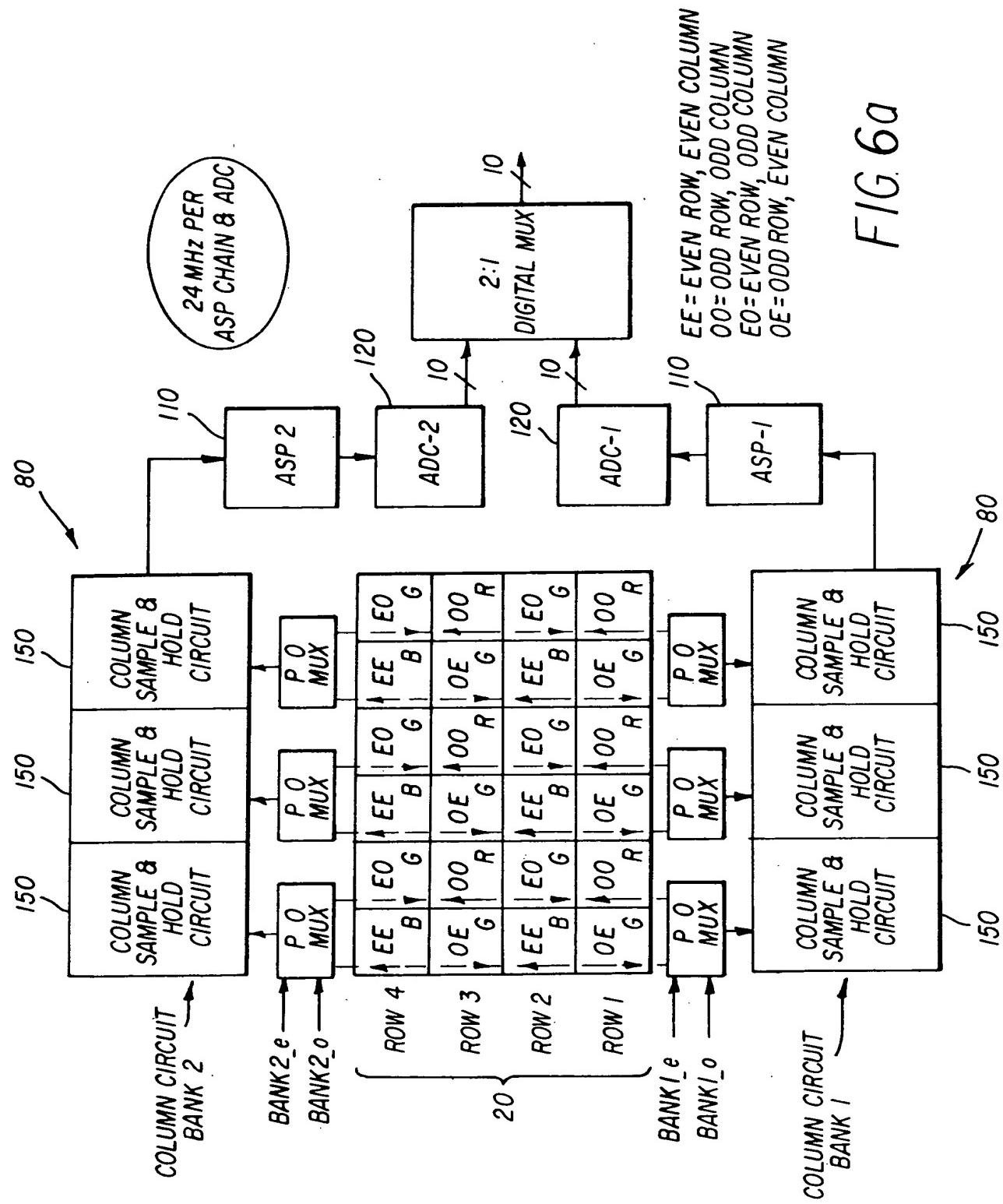


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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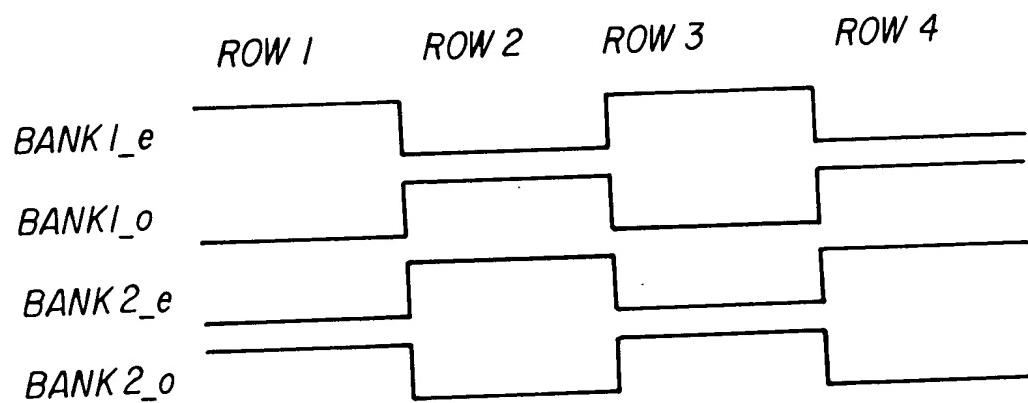
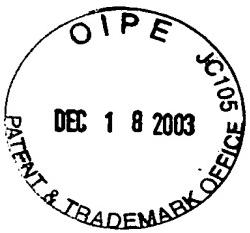


FIG. 6b



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
Robert M. Guidash
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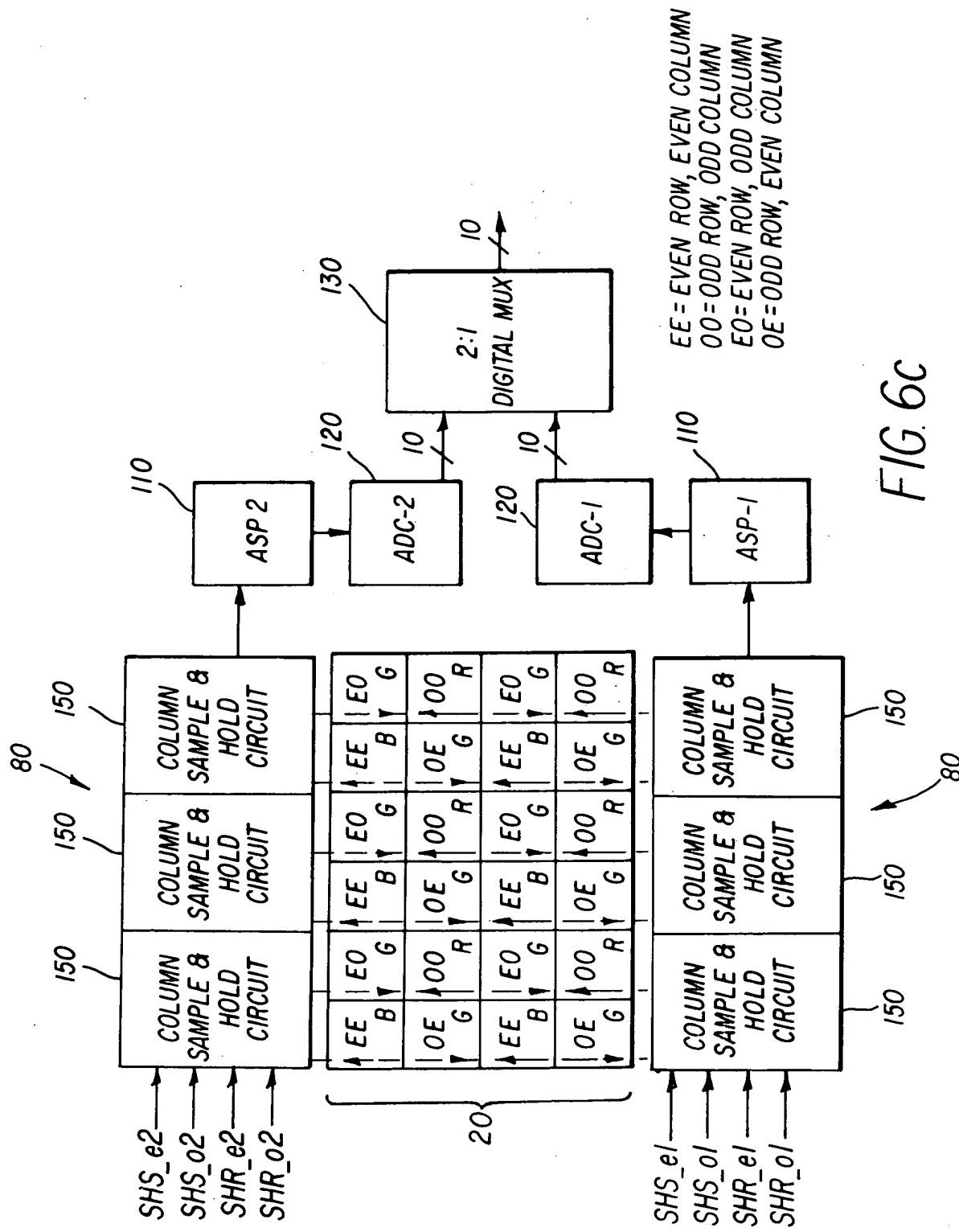


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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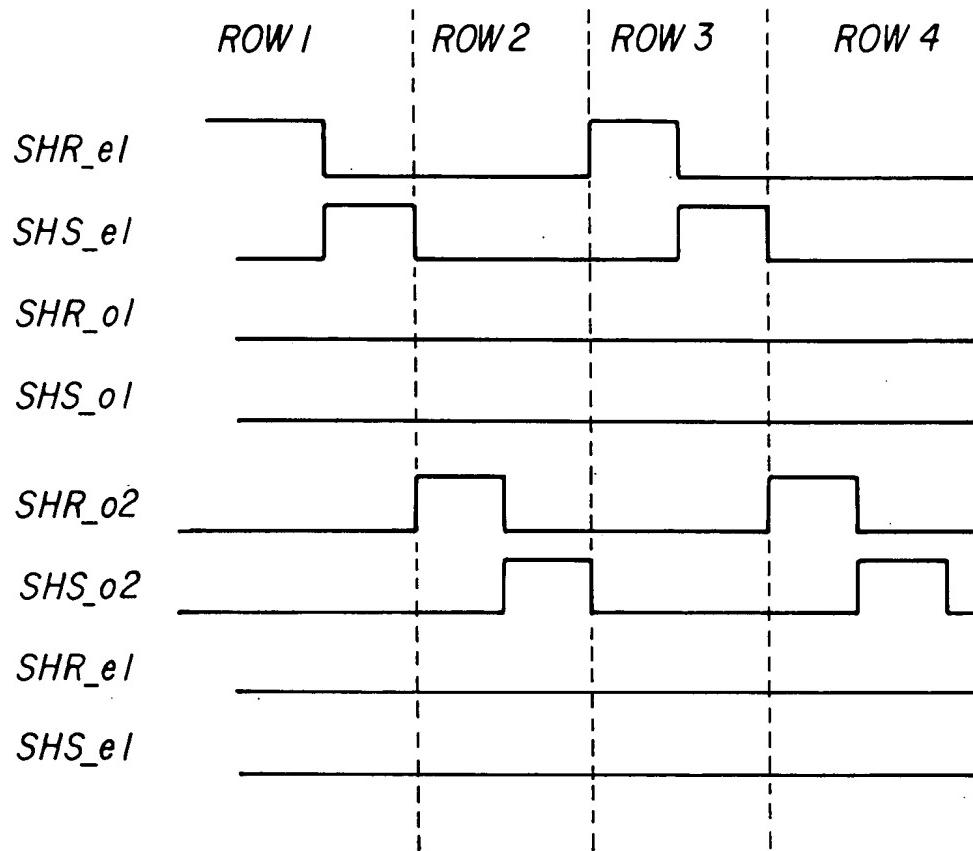


FIG. 6d



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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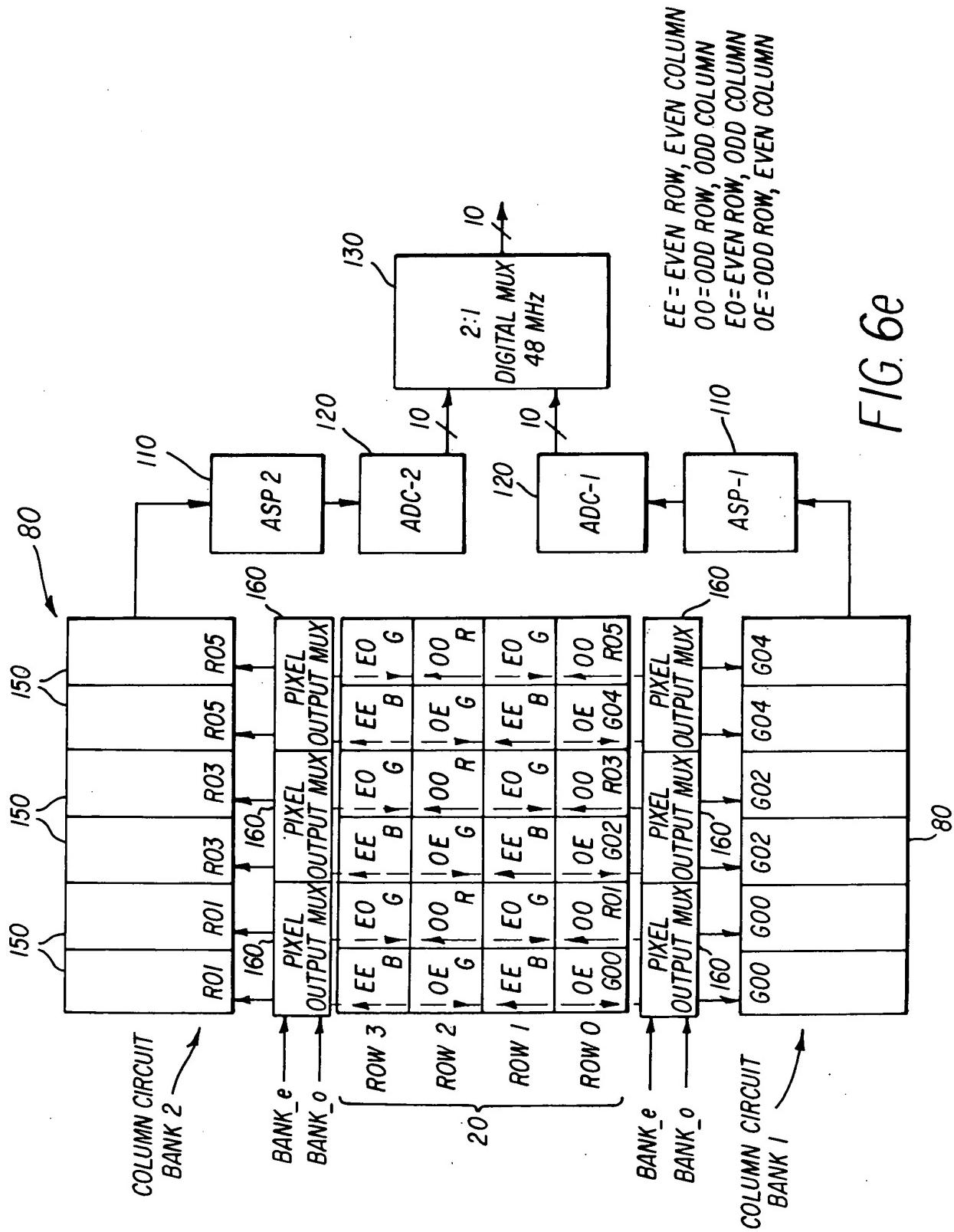




IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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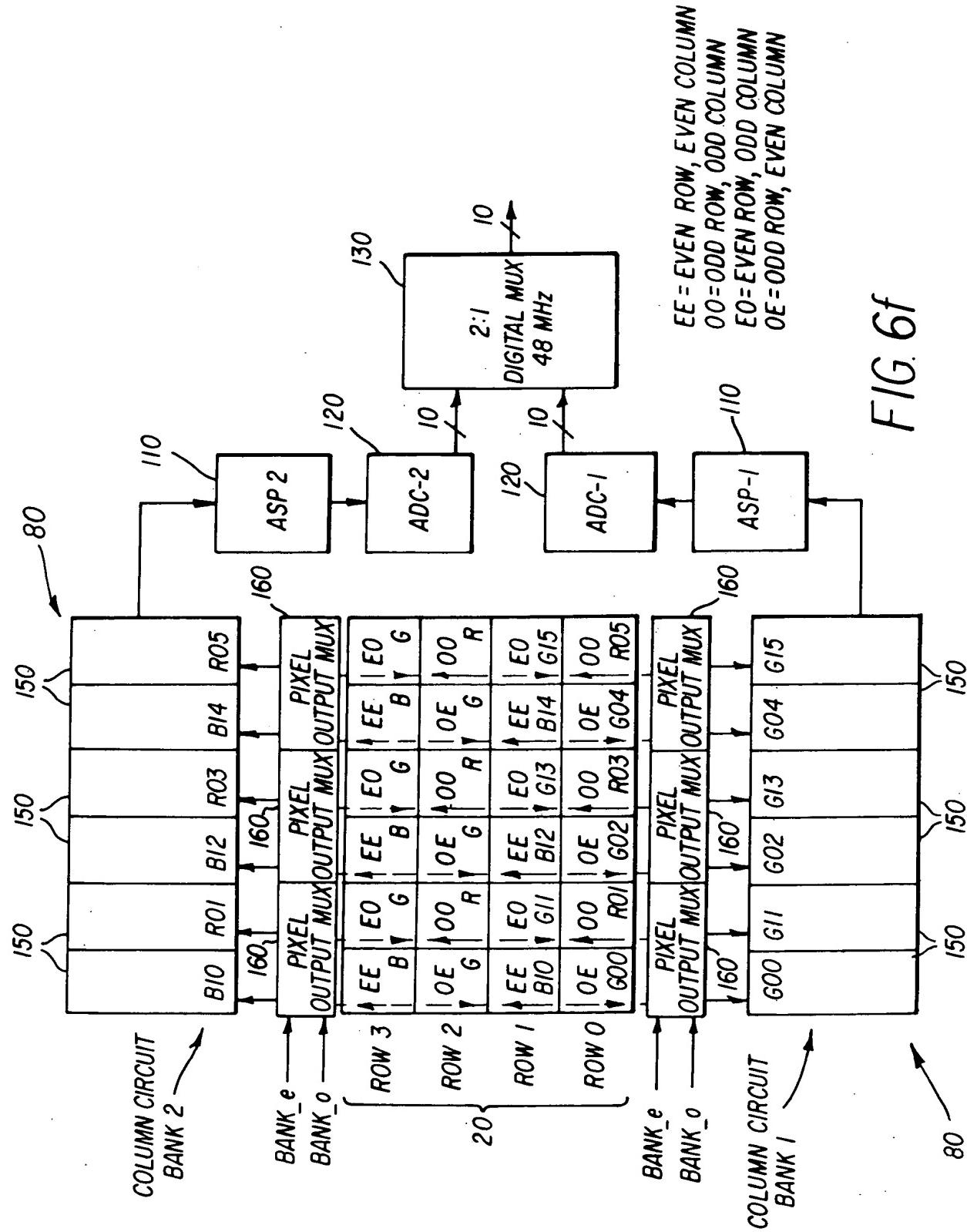


FIG. 6f

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT
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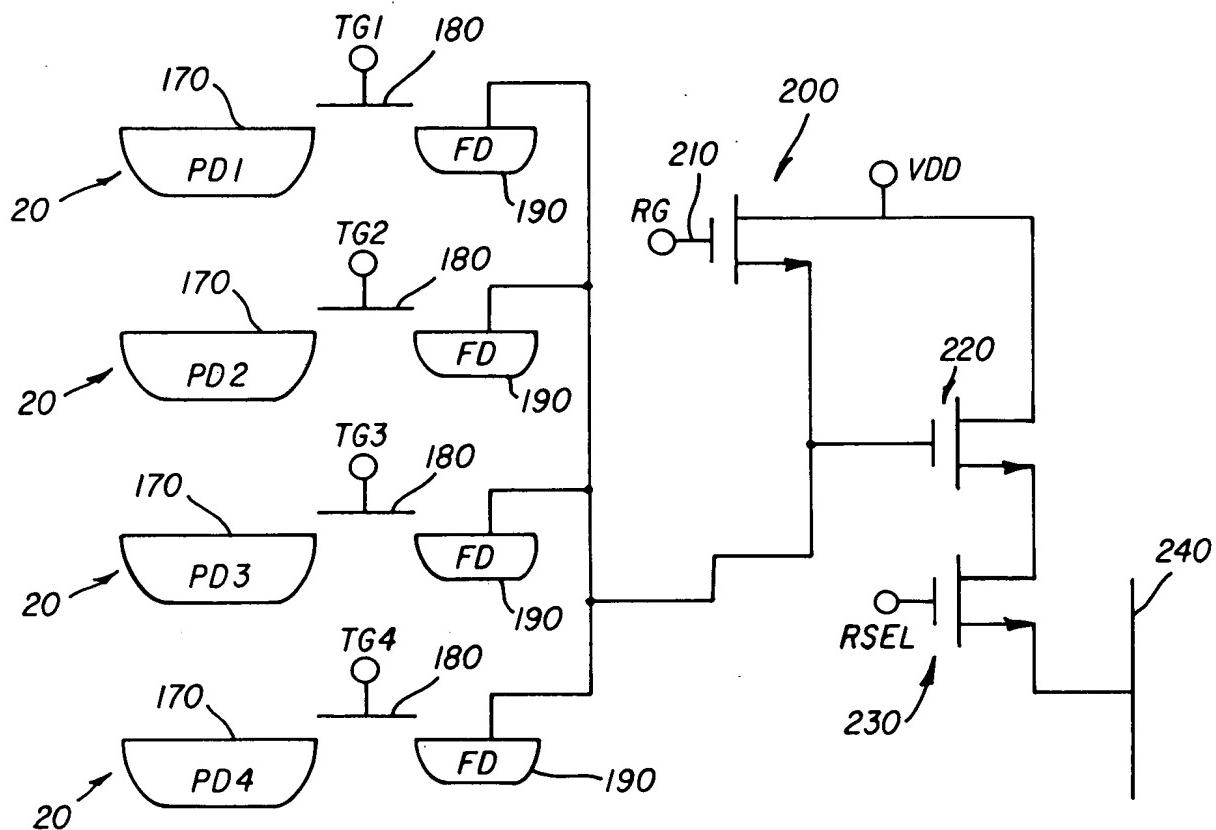


FIG. 7



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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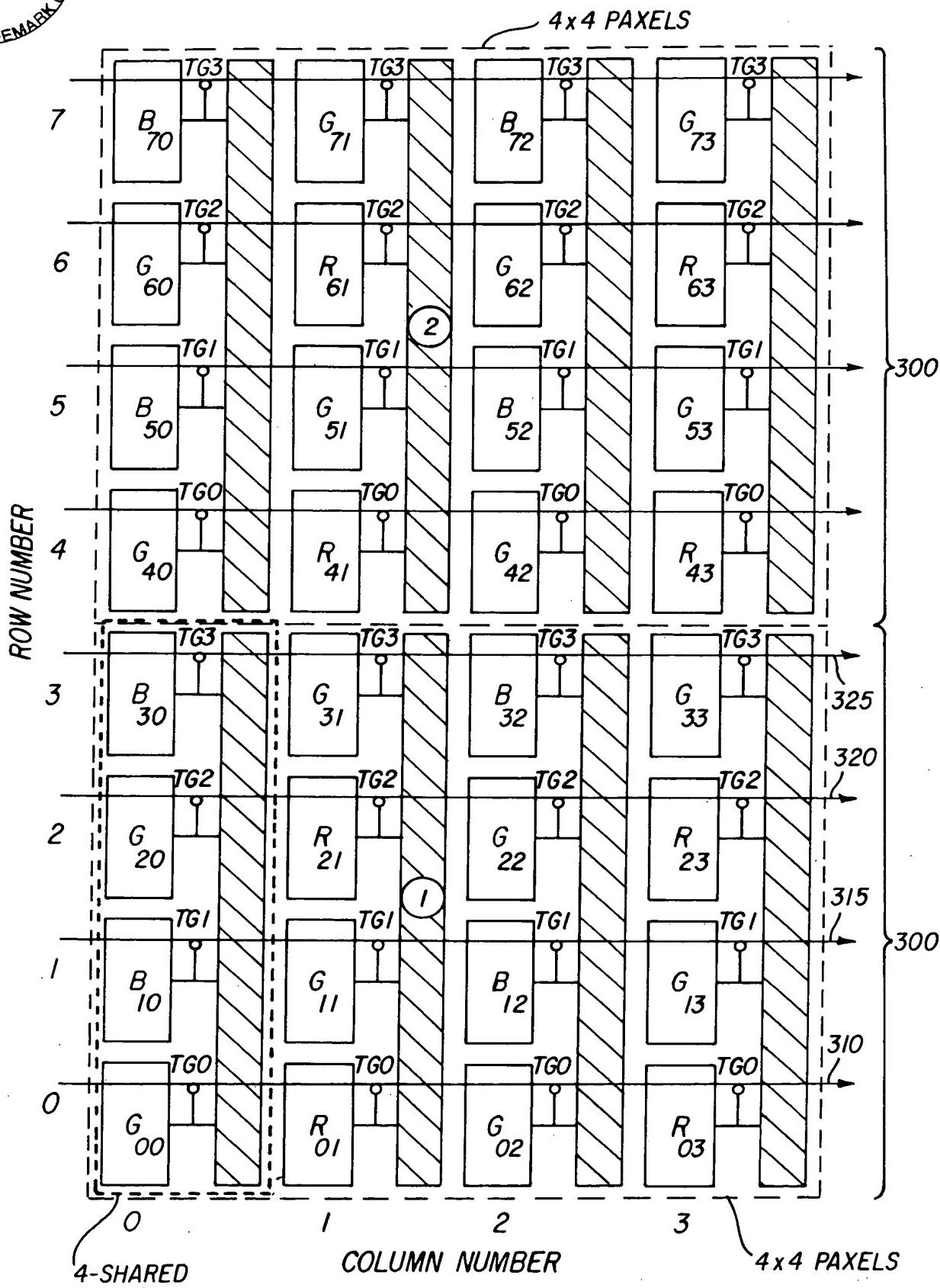


FIG. 8a

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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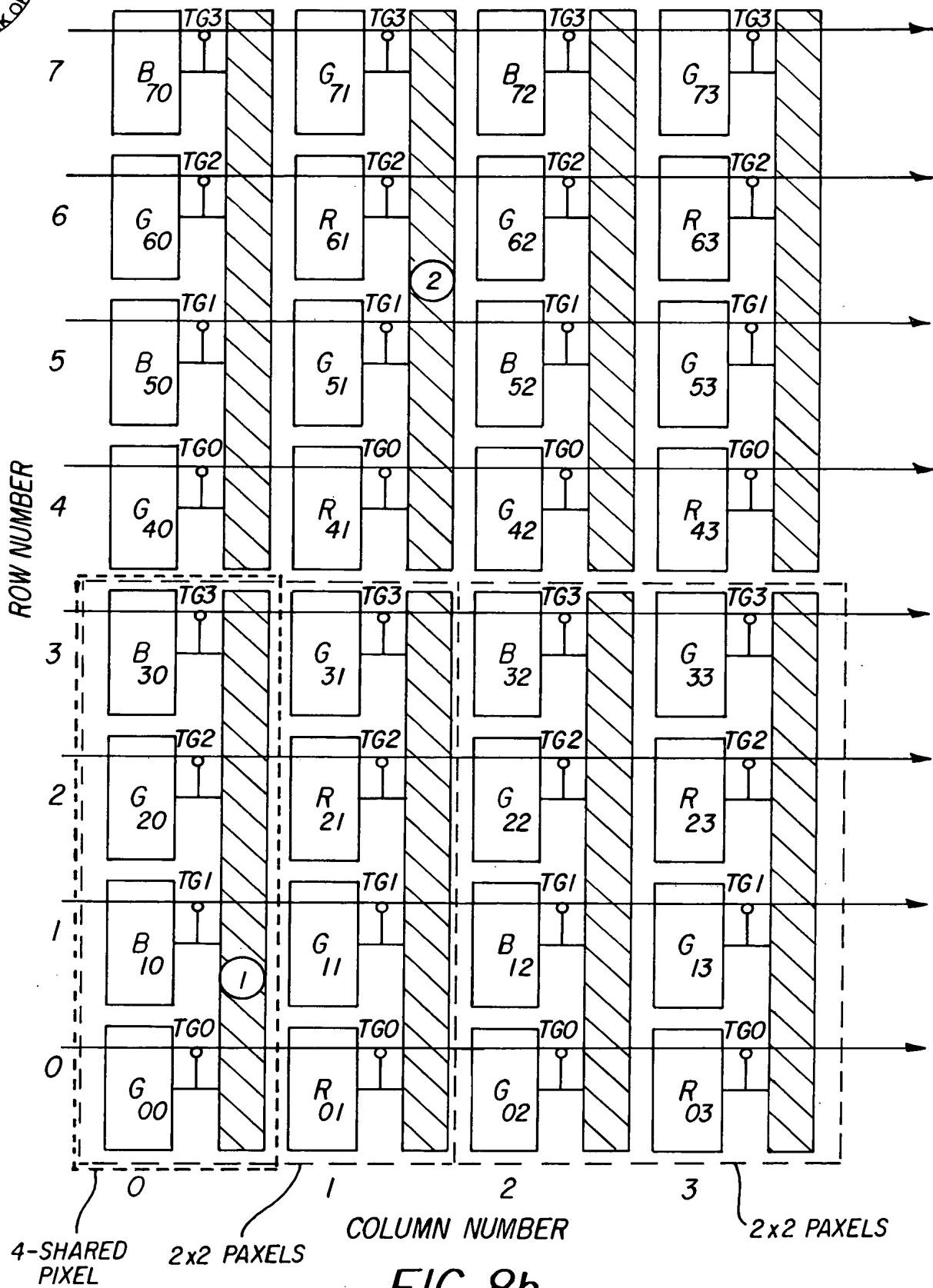


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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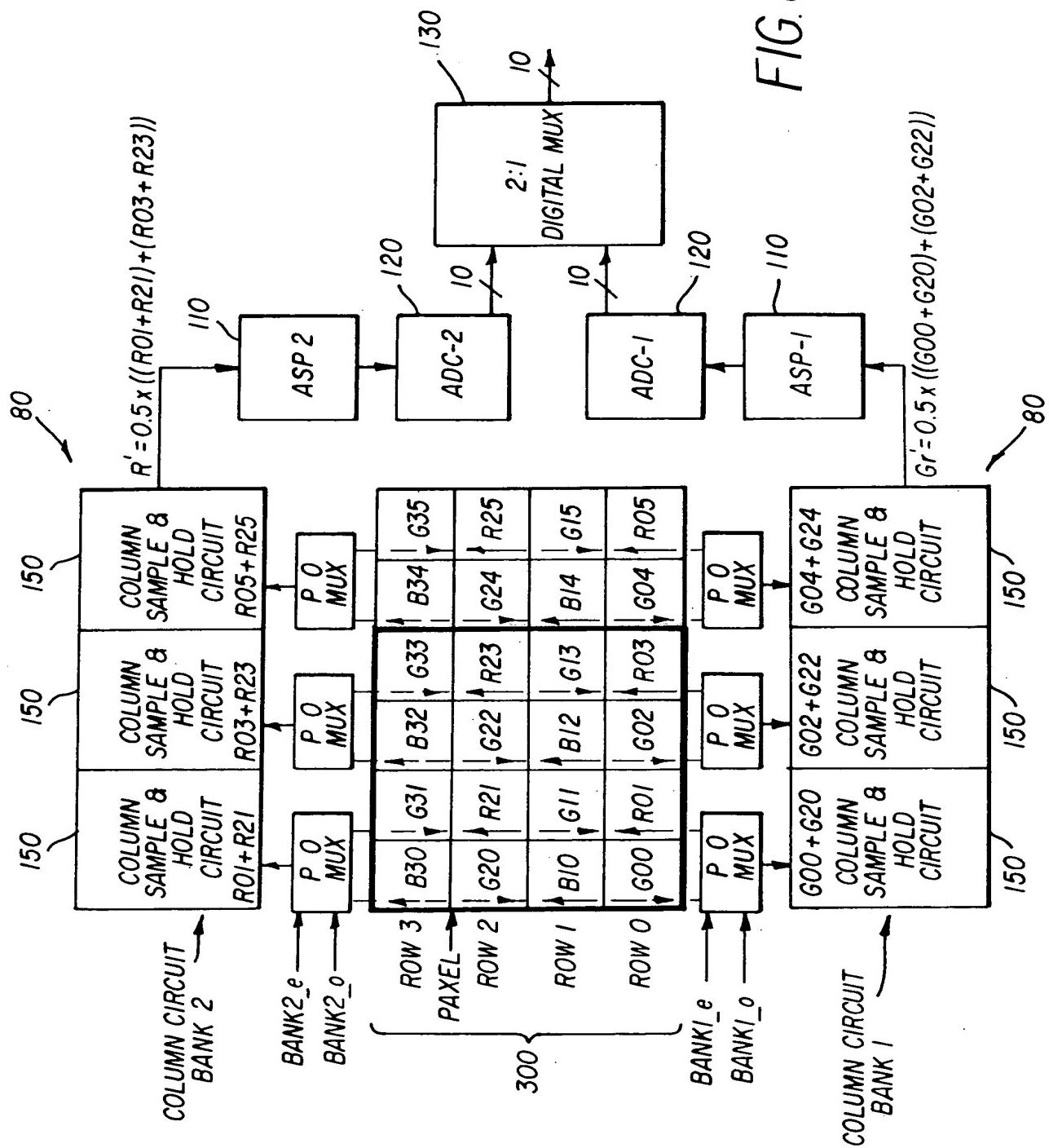


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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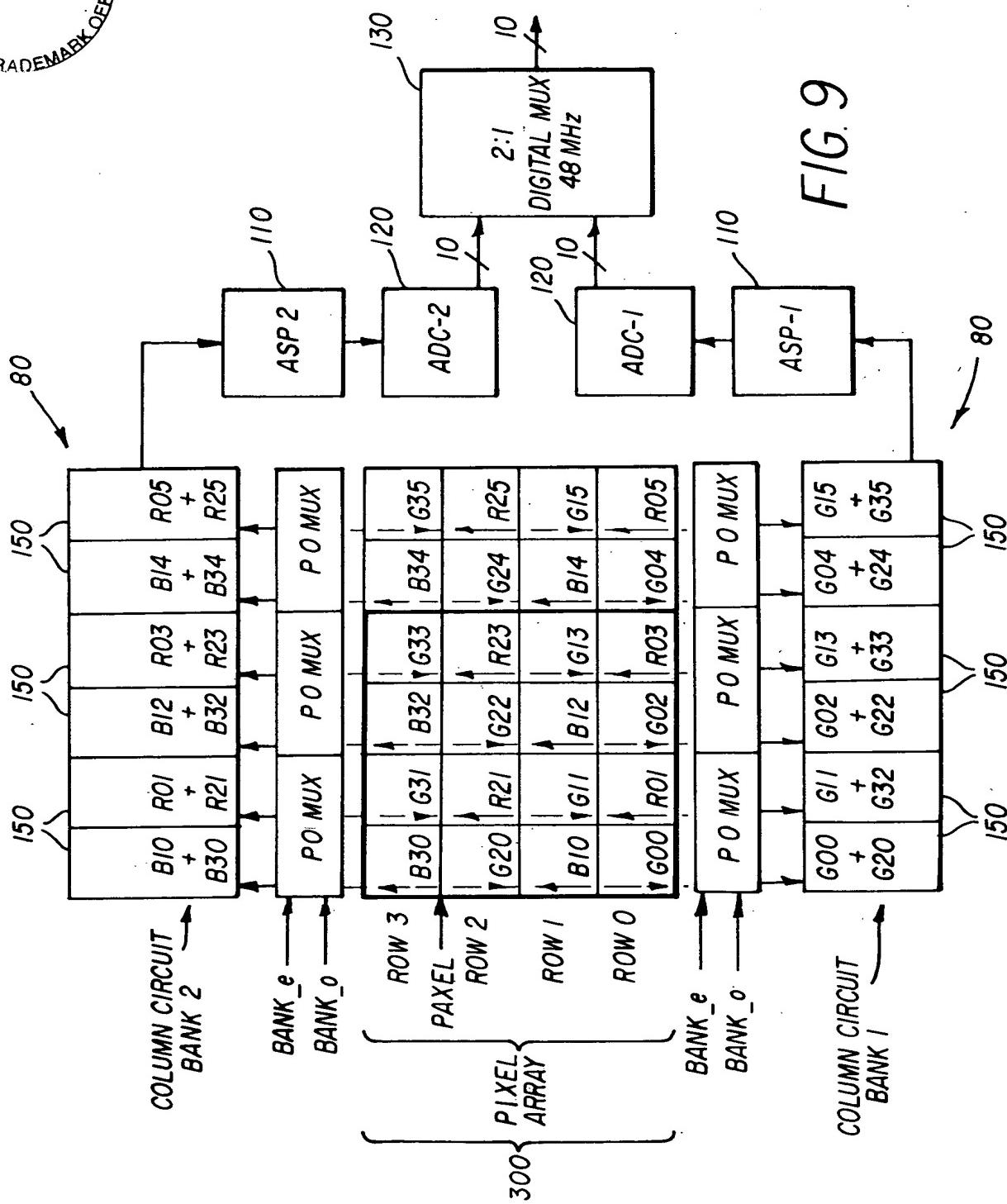


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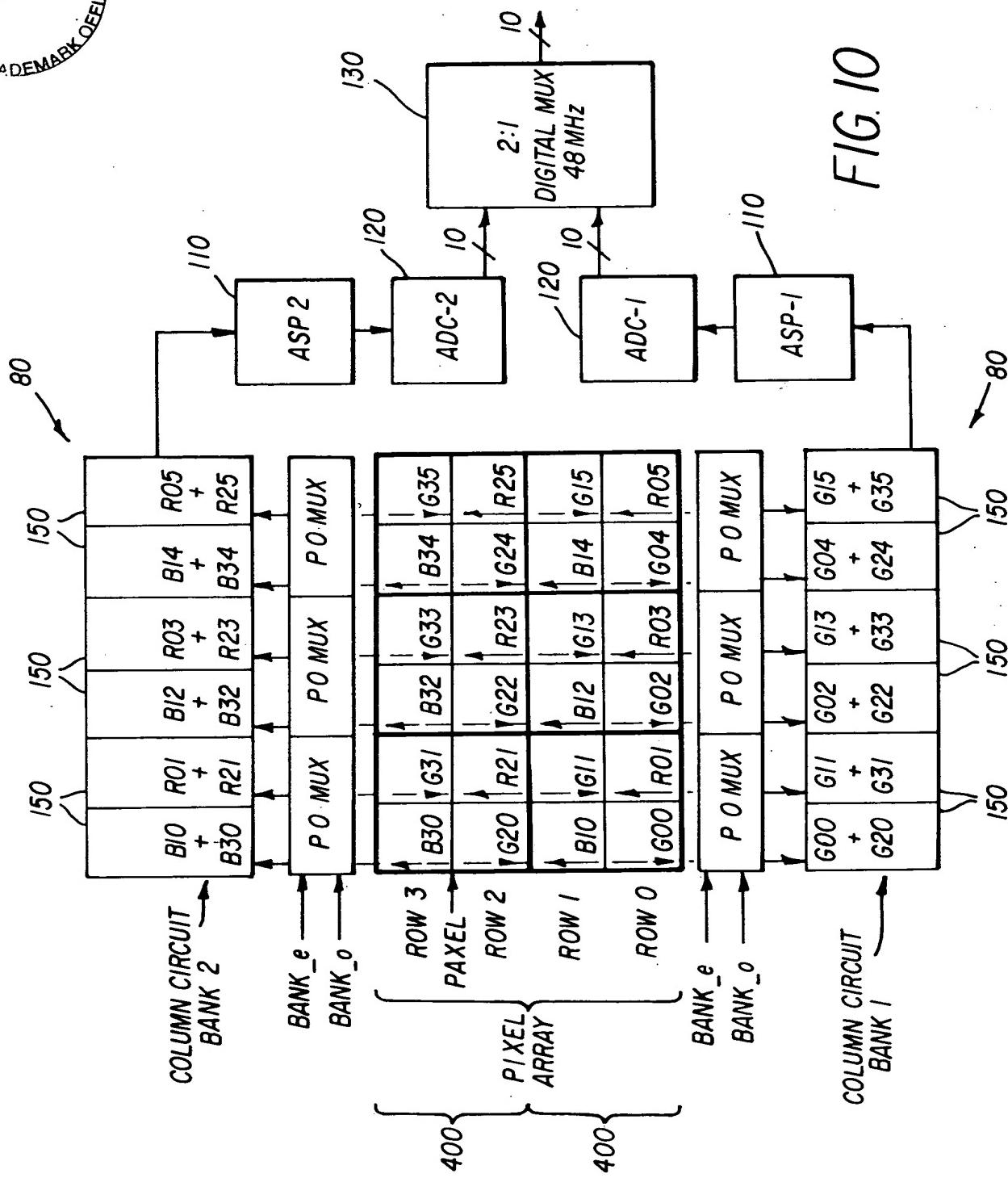


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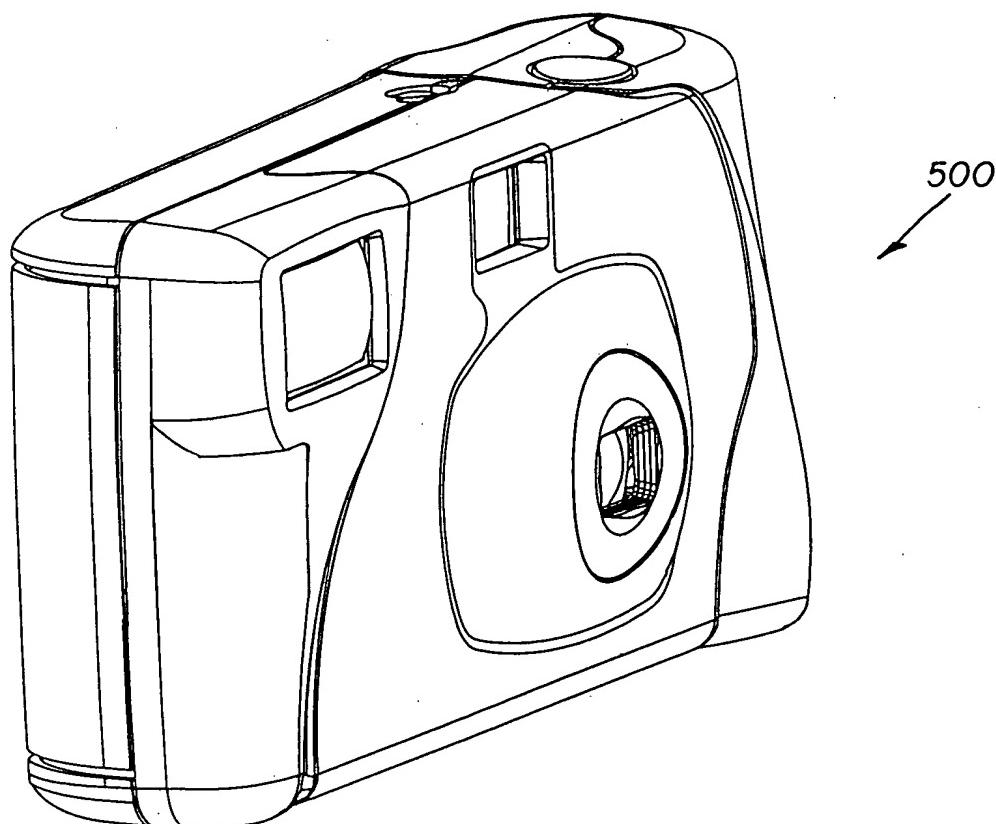


FIG. II